



FORM PTO-1390 (REV 5-93)

U.S. DEPARTMENT OF COMMERCE PATENT AND TRADEMARK OFFICE

ATTORNEY DOCKET NO. PB481US

		TRANSMITTAL LETTER TO THE UNIT	DATE: April 24, 2001							
		DESIGNATED/ELECTED OFFICE (DECONCERNING A FILING UNDER 35)	U.S. APPLN. NO. (10kg) W. 8530230							
		IATIONAL APPLICATION NO. 98/12718	PRIORITY DATE CLAIMED June 20, 1997							
TIT	LE O	FINVENTION: Lyme Disease Vaccines								
APPLICANT(S) FOR DO/EO/US: Human Genome Sciences, Inc. et al.										
1.	⊠	This is a FIRST submission of items concerning a filing under 35 U.S.C. 371. (THE BASIC FILING FEE IS ATTACHED)								
2.										
3.	Ø	This express request to begin national examination procedures [35 U.S.C. 371(f)] at any time rather than delay examination until the expiration of the applicable time limit set in 35 U.S.C. 371(b) and PCT Articles 22 and 39(1).								
4.	\boxtimes	A proper demand for International Preliminary Amendment was made by the 19th month from the earliest claimed priority date.								
**5.	⊠	A copy of the International Application as filed [35 U.S.C. 371(c)(2)] a. □ is transmitted herewith (required only if not transmitted by the International Bureau). b. □ has been transmitted by the International Bureau. c. □ is not required, as the application was filed in the United States Receiving Office (RO/US).								
. 6.		A translation of the International Application into English [3	ational Application into English [35 U.S.C. 371(c)(2)].							
The man man and		Amendments to the claims of the International Application under PCT Article 19 [35 U.S.C. 371(c)(3)] a.								
		A translation of the amendments to the claims under PCT Article 19 [35 U.S.C. 371(c)(3)].								
9.	\boxtimes	An unexecuted oath or declaration of the inventor(s) [35 U.S.C. 371(c)(4)].								
10.		A translation of the annexes to the International Preliminary Examination Report under PCT Article 36 [35 U.S.C. 371(c)(5)].								
Item	ıs 11 -	- 16 below concern other document(s) or information included	xd:							
11.	\boxtimes	An Information Disclosure Statement under 37 C.F.R. 1.97	and 1.98.							
12.		An assignment document for recording. A separate cover sheet in compliance with 37 C.F.R. 3.28 and 3.31 is included.								
13.		A FIRST preliminary amendment. A SECOND or SUBSEQUENT preliminary amendment.								
14.		A substitute specification.								
15.		A change of power of attorney and/or address letter.								
16.		Other items or information: Paper copy (573 pages) and computer-readable form of Sequence Listing CHECK NO. Drawings (sheets)								

LIS APPLN NO (IF KNOWN	J	INTERNATIONAL APPLICATION NO. PCT/US98/12718		ATTORNEY DOCKET NO. PB481US						
	0230			DATE: April 24, 2001						
17. The following fees a Basic National Fee [37 C Search Report has been pu International preliminary	C.F.R. 1.492(a)(1)-(5) repared by the EPO or	CALCULATIONS P	TO USE ONLY							
(37 C.F.R. 1.482) No international prelimina (37 C.F.R. 1.482) but inte	\$69 ary examination fee pa		·							
[37 C.F.R. 1.445(a)(2)] Neither international preli (37 C.F.R. 1.482) or inter	minary examination for		÷							
[37 C.F.R. 1.445(a)(2)] partition of the control of	aid to USPTOexamination fee paid t claims satisfied provis	·								
ENTER APPRO	OPRIATE BASIC FE	\$690.00								
Surcharge of \$130.00 for furnithan 20 30 months from 37 C.F.R. 1.492(e)].		\$130.00								
Claims	Number Filed	Number Extra	Rate							
Total Claims	21 - 20 =	1	X \$ 18.00	\$ 18.00						
nindependent Claims	5 - 3 =	2	X \$ 80.00	\$160.00						
Multiple dependent claim(s) (if	applicable)									
TOTA	L OF ABOVE CAL	\$998.00								
Reduction by one-half for filing Werified Small Entity statement Rhote 37 C.F.R. 1.9, 1.27, 1.28	must also be filed.	\$								
,	SUBTOTAL =	\$998.00								
in Processing fee of \$130.00 for f in Particular the 20 30 months from 27 C.F.R. 1.492(f)].		\$	·							
Т	OTAL NATIONAL	\$998.00								
Fee for recording the enclosed accompanied by an appropriate (37 C.F.R. 3.28, 3.31). \$40.00	cover sheet	s								
T	OTAL FEES ENCL	\$998.00								
				Amount to be refunded	\$					
a. A check in the amount of \$ to cover the above fees is enclosed. b. Please charge my Deposit Account No. 08-3425 in the amount of \$998.00 to cover the above fee. A duplicate copy of this sheet is enclosed. c. The Commissioner is hereby authorized to charge any additional fees which may be required, or credit any overpayment to Deposit Account No. 08-3425. NOTE: Where an appropriate time limit under 37 C.F.R. 1.494 or 1.495 has not been met, a petition to revive										
[37 C.F.R. 1.137(a) or (b)] must be filed and granted to restore the application to pending status.										
SEND ALL CORRESPONDENCE TO: Human Genome Sciences, Inc.										
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Tel: (301) 309-8504 Fax: (301) 309-8439										
Kenley K. Hoover Reg. No. 40,302										